

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134952.D
 Acq On : 25 Aug 2023 21:17
 Operator : CG\JU
 Sample : 04135-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 328

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

Quant Time: Aug 26 02:52:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	102016	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	379225	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	172720	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	292787	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	198803	20.000	ng	0.00
86) Perylene-d12	15.445	264	166662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	579995	90.661	ng	0.00
7) Phenol-d6	6.428	99	702449	85.930	ng	-0.01
23) Nitrobenzene-d5	7.351	82	422215	61.350	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	156322	76.847	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	794111	71.075	ng	-0.01
79) Terphenyl-d14	12.916	244	811942	56.174	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	312550	20.371	ng	98
72) Anthracene	11.392	178	76173	4.846	ng	98
75) Fluoranthene	12.539	202	512973	35.287	ng	100
78) Pyrene	12.768	202	439540	20.853	ng	99
81) Benzo(a)anthracene	13.963	228	219201	16.161	ng	95
83) Chrysene	13.998	228	182819	13.661	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	34373	4.941	ng	100
87) Indeno(1,2,3-cd)pyrene	16.933	276	71581	6.009	ng	96
88) Benzo(b)fluoranthene	15.015	252	214213m	22.781	ng	
89) Benzo(k)fluoranthene	15.039	252	75328m	8.158	ng	
90) Benzo(a)pyrene	15.380	252	139431	14.854	ng	98
92) Benzo(g,h,i)perylene	17.386	276	64055	6.492	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

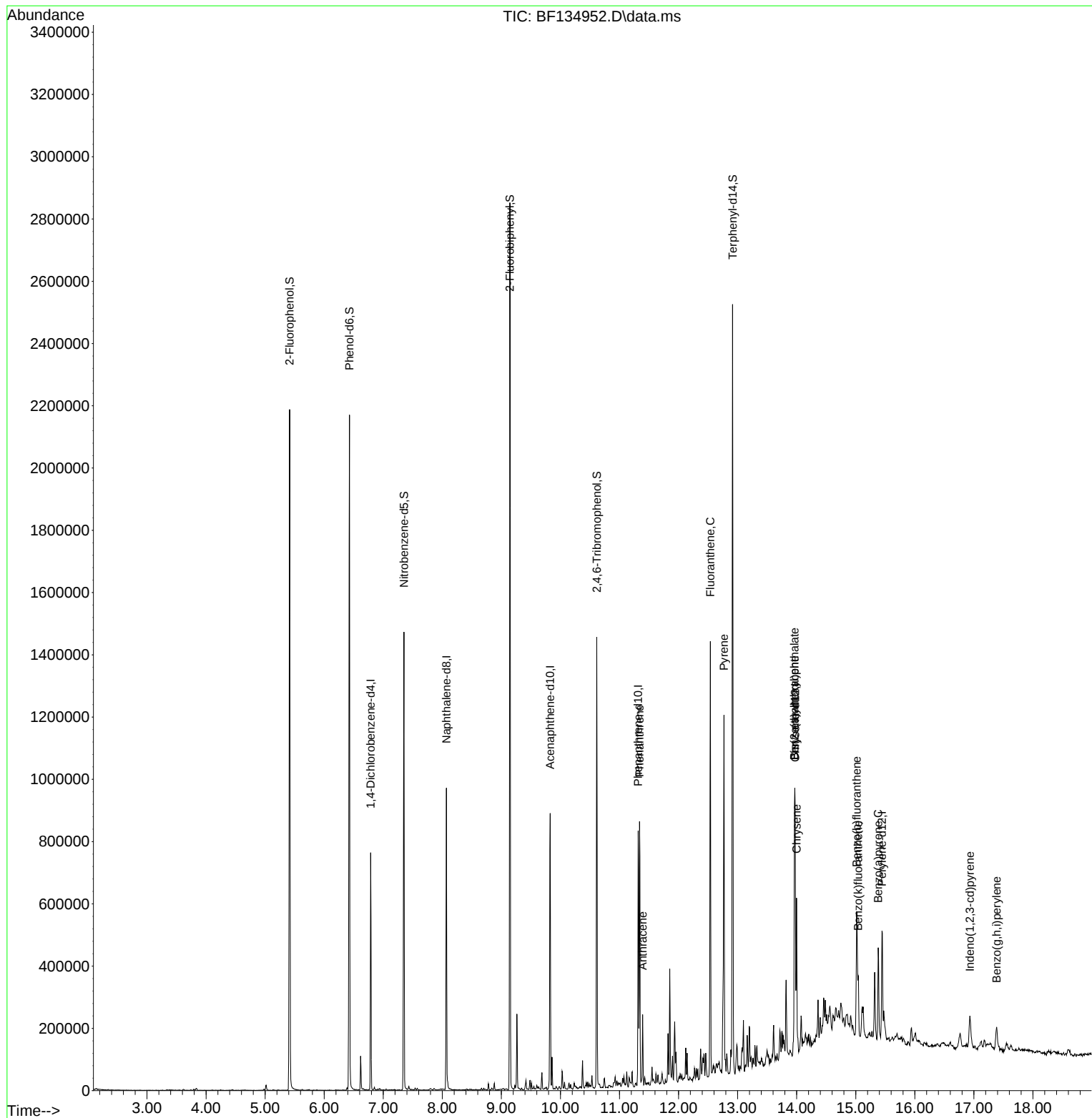
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134952.D
Acq On : 25 Aug 2023 21:17
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Sample : 04135-02
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ALS Vial : 17 Sample Multiplier: 1

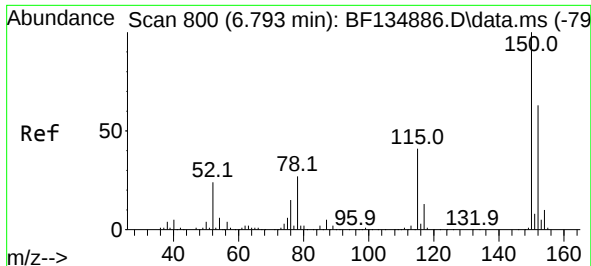
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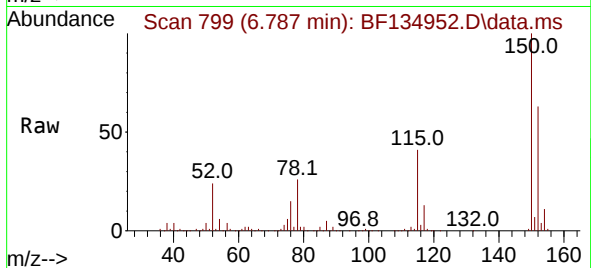
Quant Time: Aug 26 02:52:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

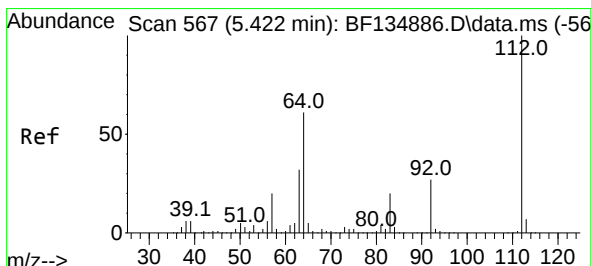
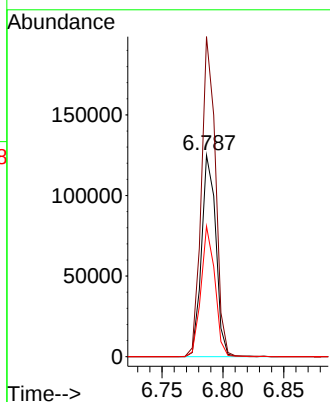
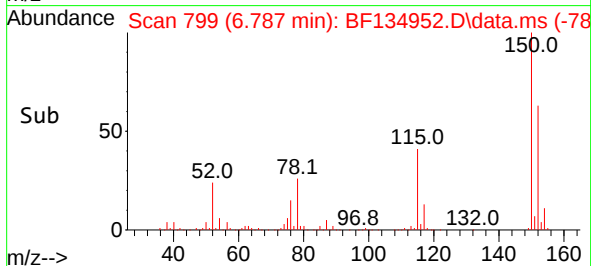
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:152 Resp: 102010
Ion Ratio Lower Upper
152 100
150 158.9 126.1 189.1
115 64.7 51.1 76.7

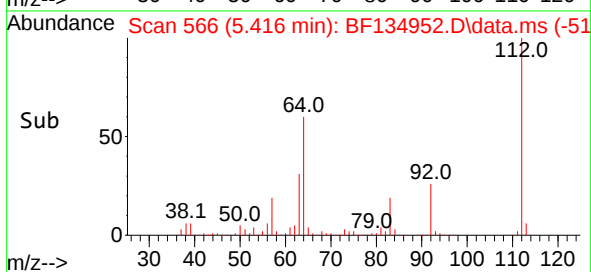
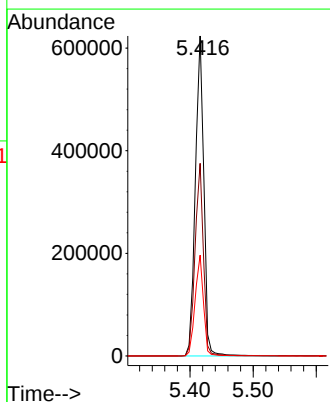
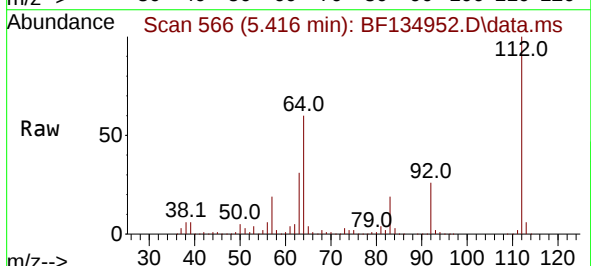
Manual Integrations
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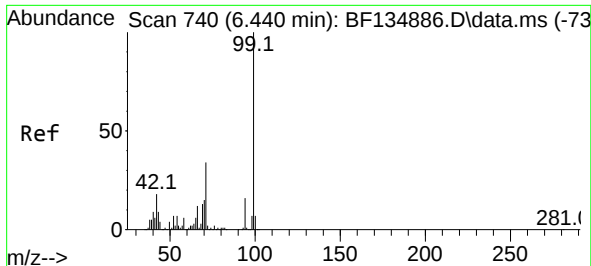
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#5
2-Fluorophenol
Concen: 90.661 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

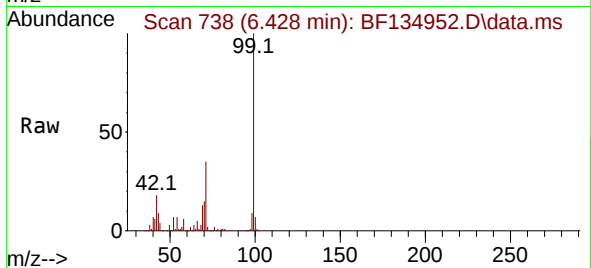
Tgt Ion:112 Resp: 579995
Ion Ratio Lower Upper
112 100
64 60.2 48.6 73.0
63 31.5 25.7 38.5





#7
Phenol-d6
Concen: 85.930 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

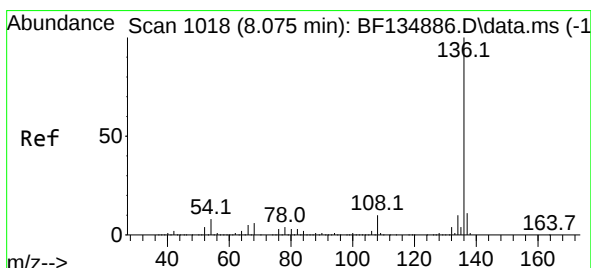
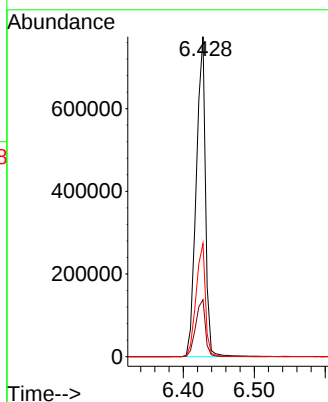
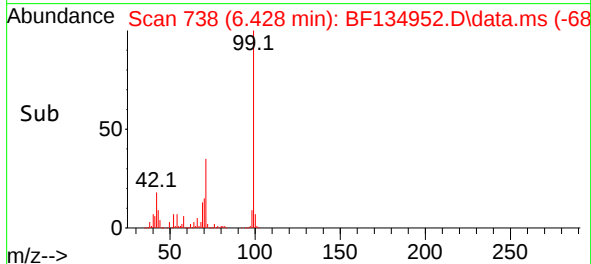
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion: 99 Resp: 702449
Ion Ratio Lower Upper
99 100
42 17.8 14.6 22.0
71 35.4 27.6 41.4

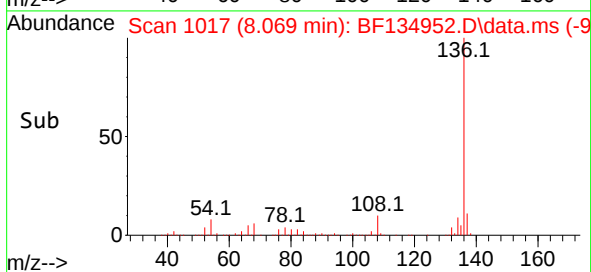
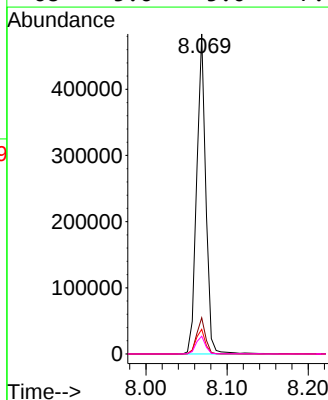
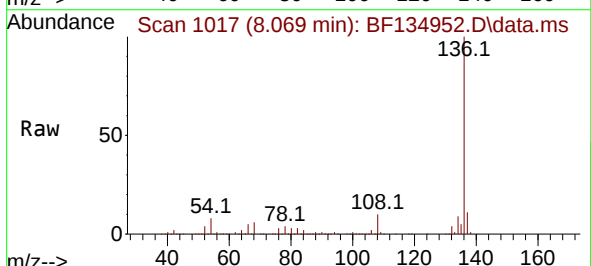
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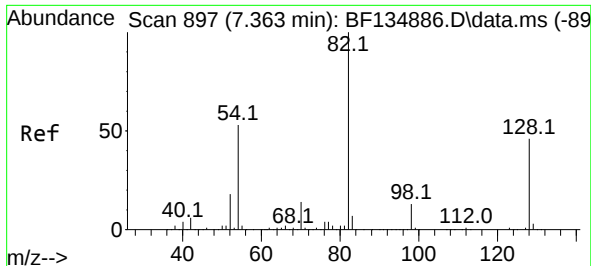
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:136 Resp: 379225
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.7 6.6 9.8
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 61.350 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

Tgt Ion: 82 Resp: 422215

Ion Ratio Lower Upper

82 100

128 44.5 36.6 54.8

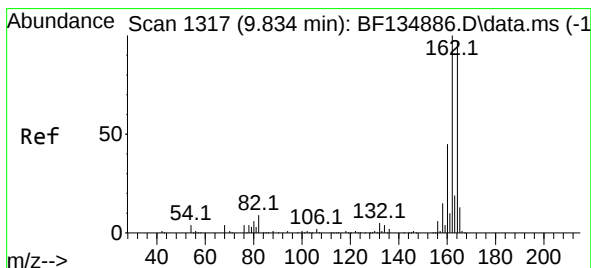
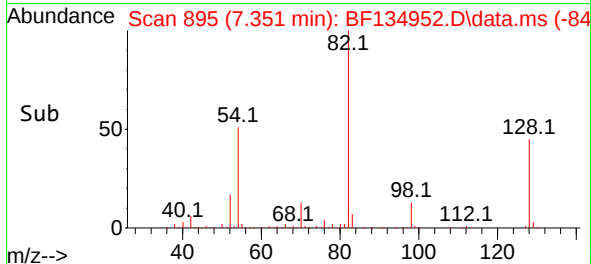
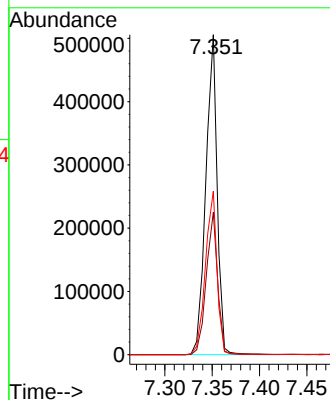
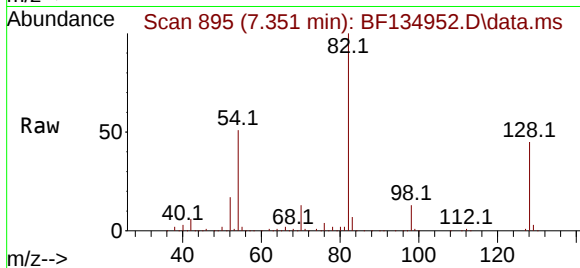
54 51.1 42.6 63.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

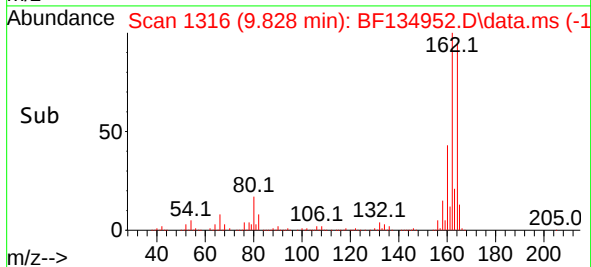
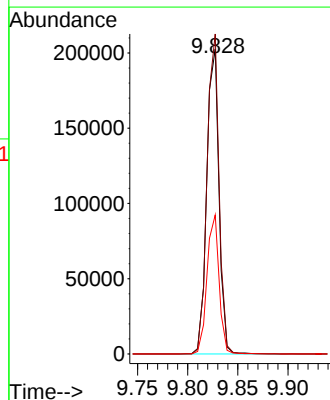
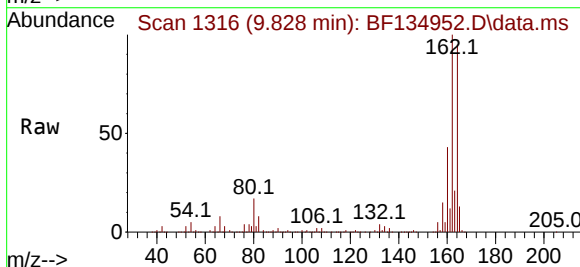
Tgt Ion:164 Resp: 172720

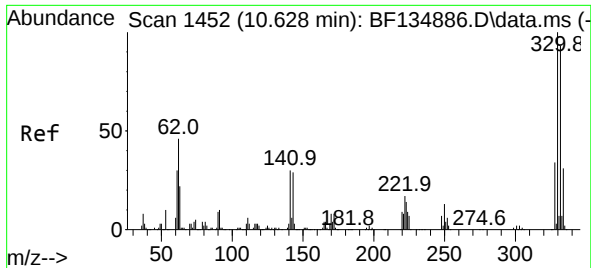
Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

160 45.6 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 76.847 ng
RT: 10.616 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

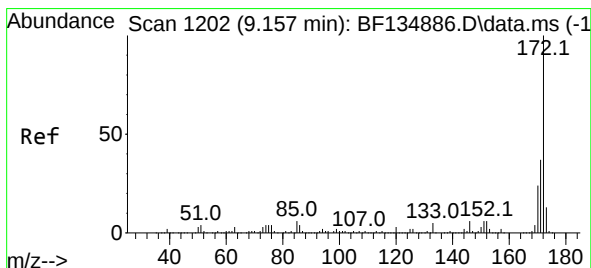
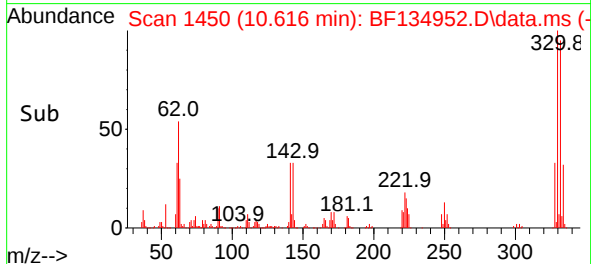
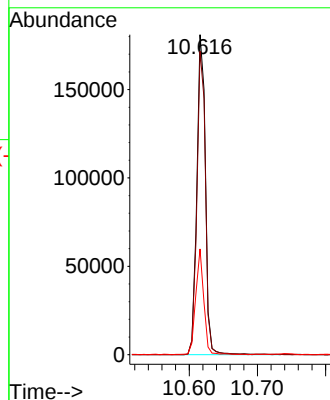
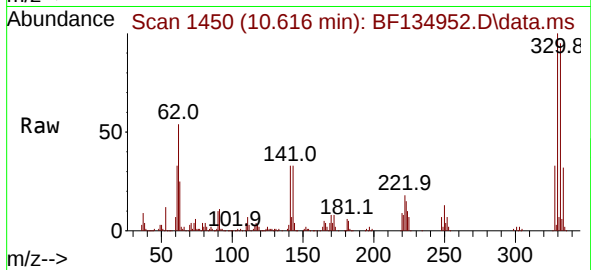
ClientSampleId :

328

Tgt Ion:330 Resp: 15632
Ion Ratio Lower Upper
330 100
332 94.8 76.3 114.5
141 31.4 23.4 35.2

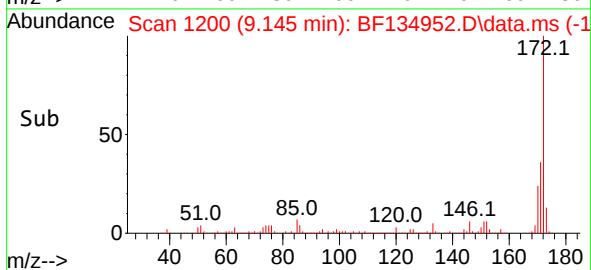
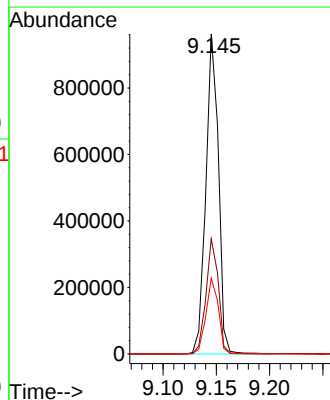
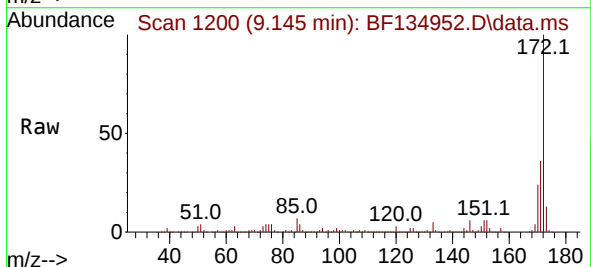
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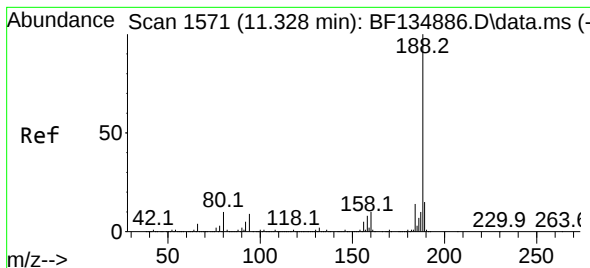
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#45
2-Fluorobiphenyl
Concen: 71.075 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

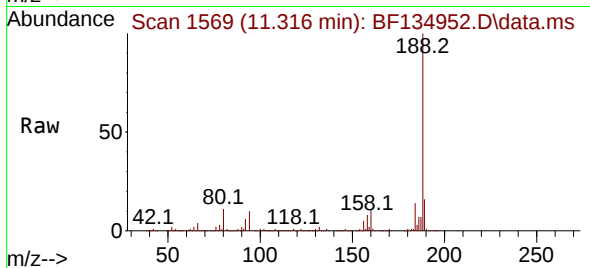
Tgt Ion:172 Resp: 794111
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 23.7 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

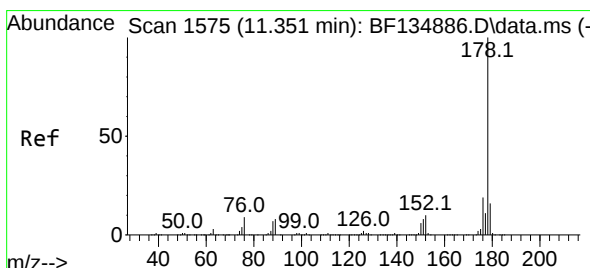
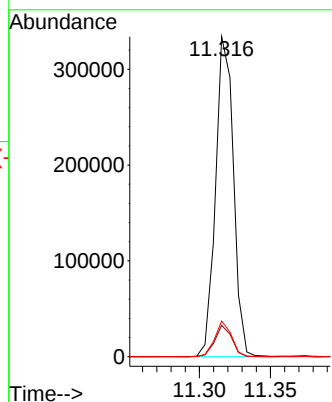
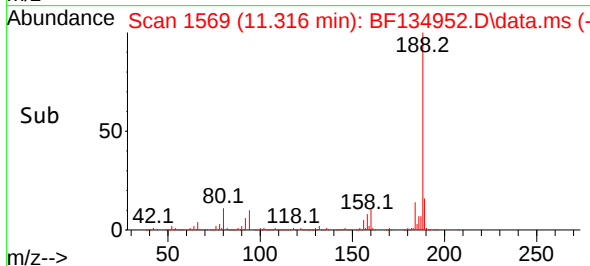
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:188 Resp: 29278
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 11.2 7.8 11.6

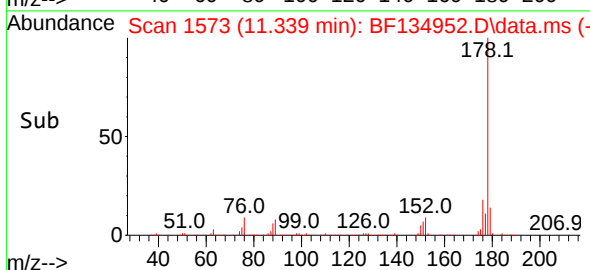
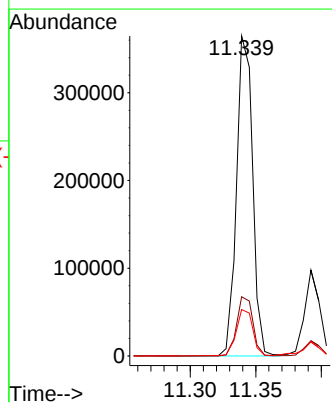
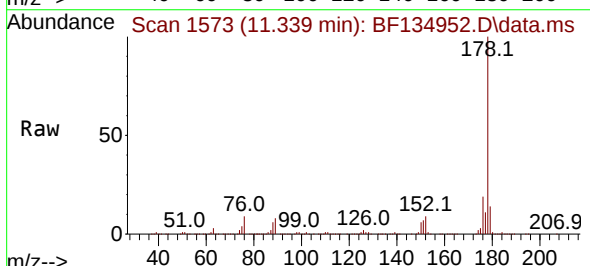
Manual Integrations
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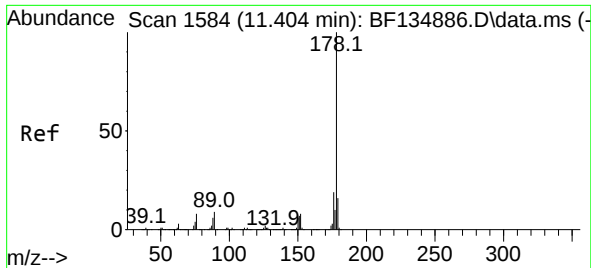
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#71
Phenanthrene
Concen: 20.371 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

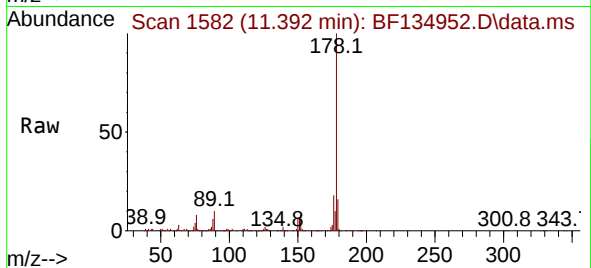
Tgt Ion:178 Resp: 312550
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.5 12.6 19.0





#72
 Anthracene
 Concen: 4.846 ng
 RT: 11.392 min Scan# 11392
 Delta R.T. -0.012 min
 Lab File: BF134952.D
 Acq: 25 Aug 2023 21:17

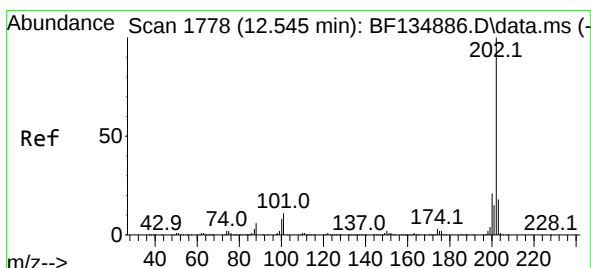
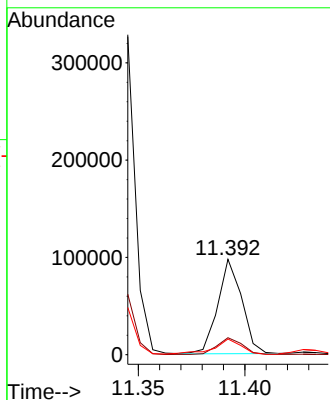
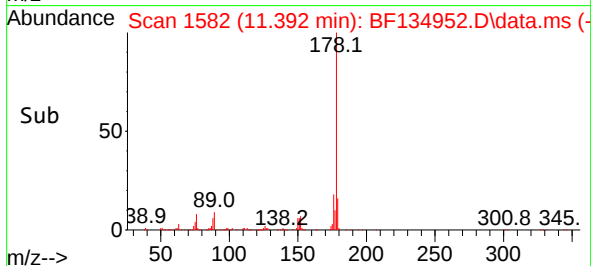
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 328



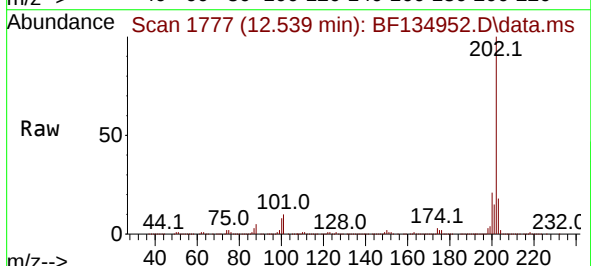
Tgt Ion:178 Resp: 76173
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 16.4 12.5 18.7

Manual Integrations
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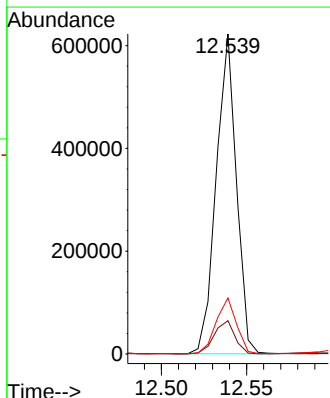
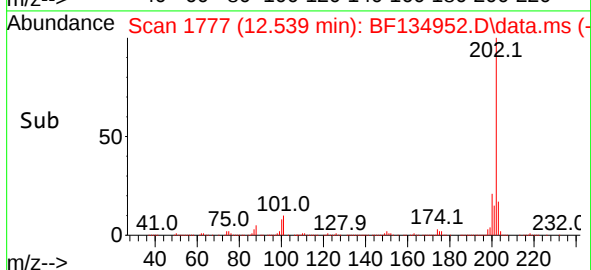
Reviewed By :Yogesh Patel 08/28/2023
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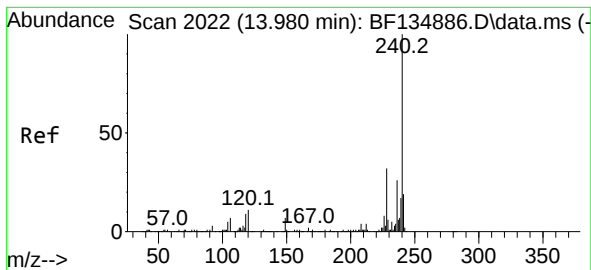


#75
 Fluoranthene
 Concen: 35.287 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF134952.D
 Acq: 25 Aug 2023 21:17



Tgt Ion:202 Resp: 512973
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.5
 203 17.5 0.0 37.8





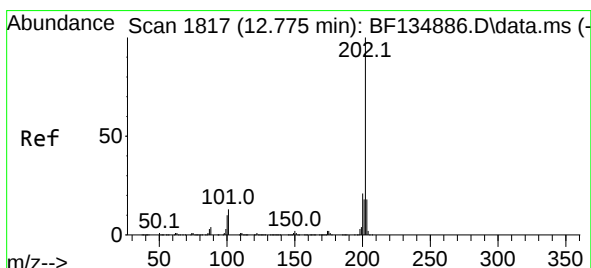
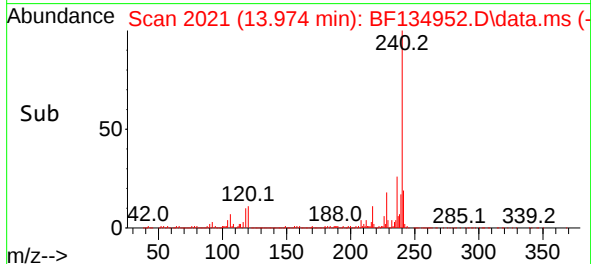
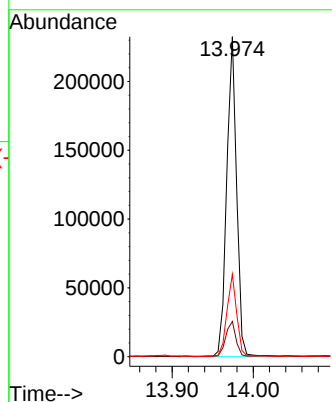
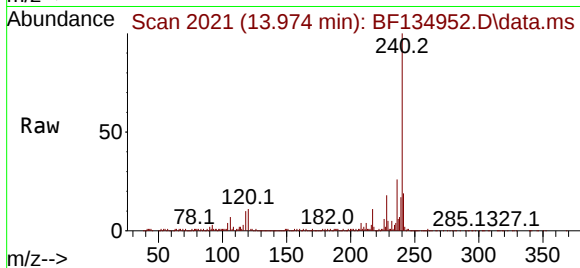
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:240 Resp: 19880
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 25.8 20.6 31.0

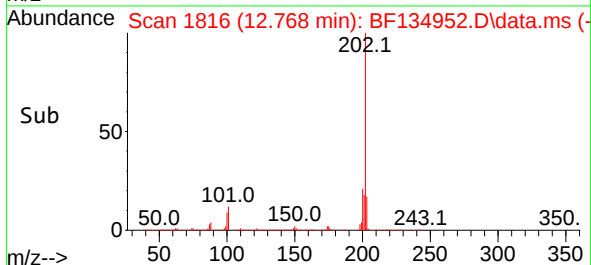
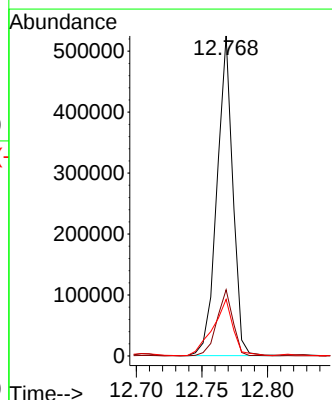
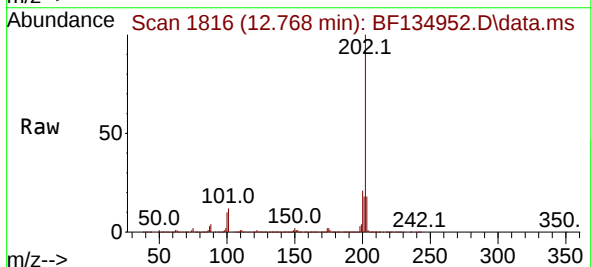
Manual Integrations
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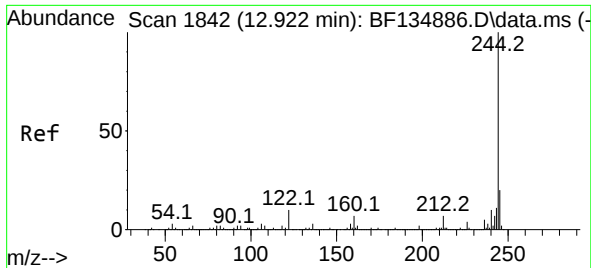
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#78
Pyrene
Concen: 20.853 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

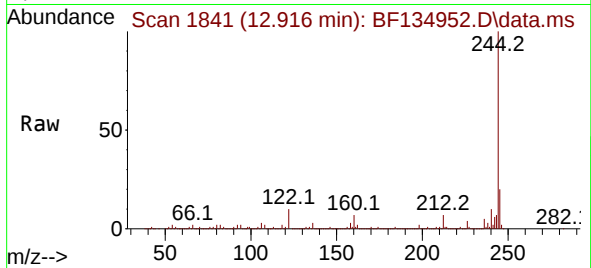
Tgt Ion:202 Resp: 439540
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.7 14.2 21.2





#79
Terphenyl-d14
Concen: 56.174 ng
RT: 12.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

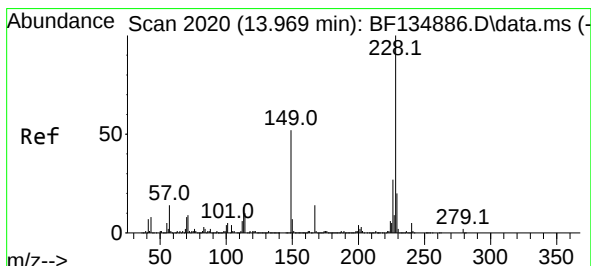
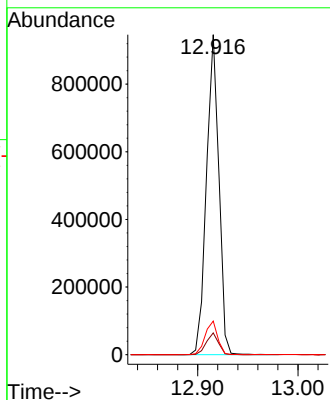
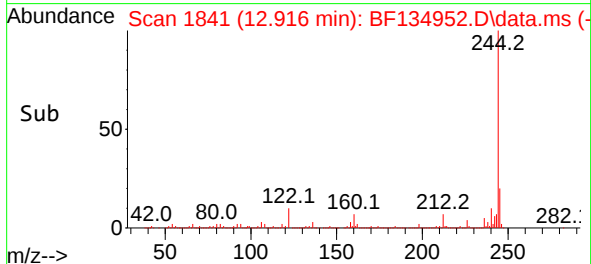
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:244 Resp: 81194
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.5 8.2 12.4

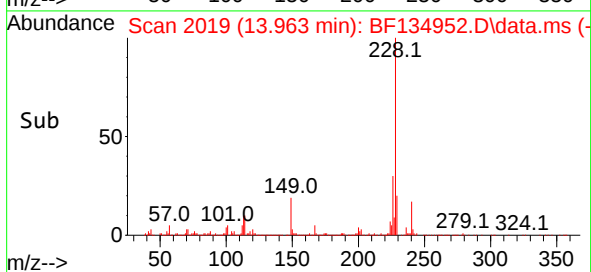
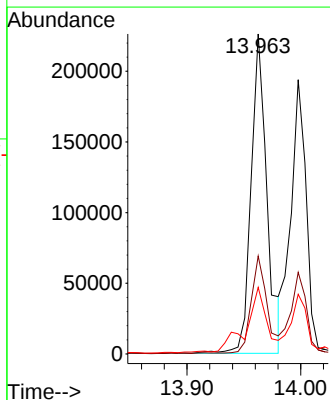
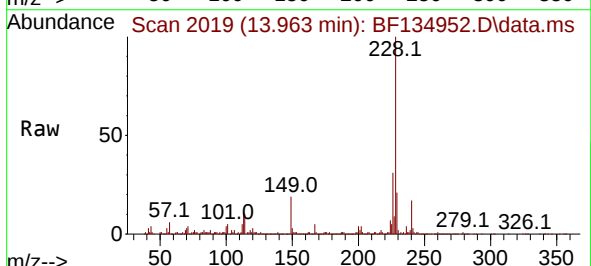
Manual Integrations
APPROVED

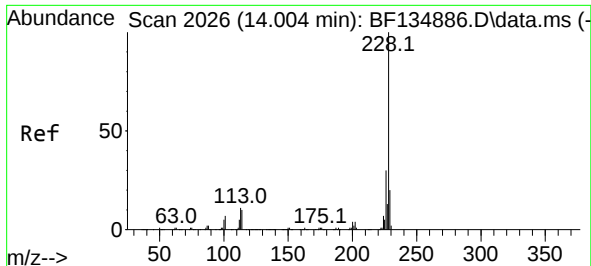
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#81
Benzo(a)anthracene
Concen: 16.161 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

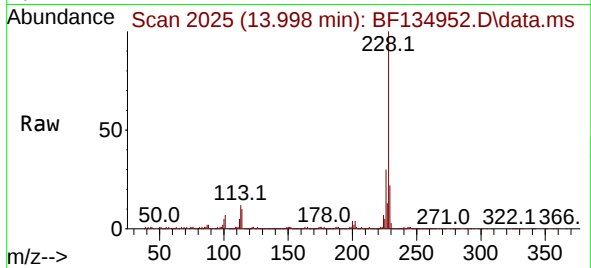
Tgt Ion:228 Resp: 219201
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.6
229 20.8 15.6 23.4





#83
Chrysene
Concen: 13.661 ng
RT: 13.998 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

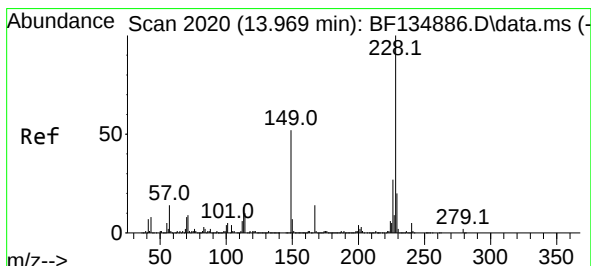
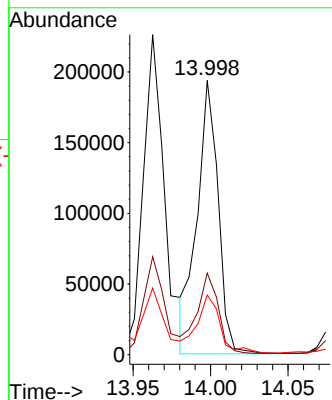
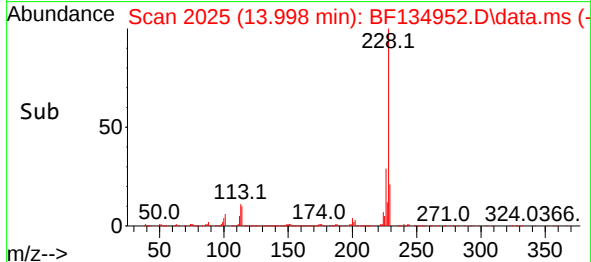
Instrument :
BNA_F
ClientSampleId :
328



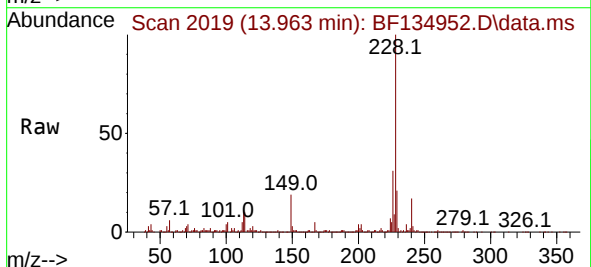
Tgt Ion:228 Resp: 182819
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 21.8 16.0 24.0

Manual Integrations
APPROVED

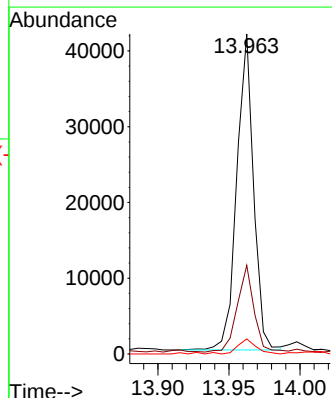
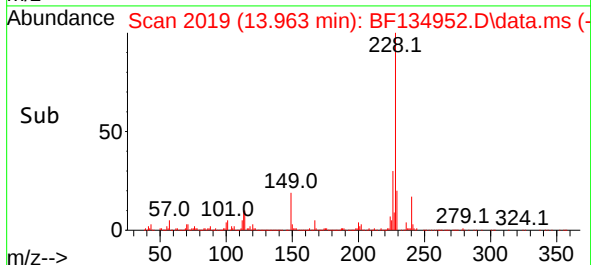
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

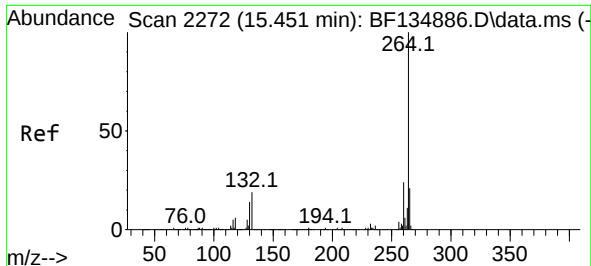


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.941 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17



Tgt Ion:149 Resp: 34373
Ion Ratio Lower Upper
149 100
167 27.7 22.1 33.1
279 4.7 3.6 5.4





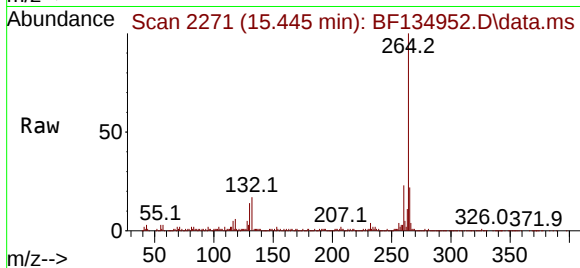
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

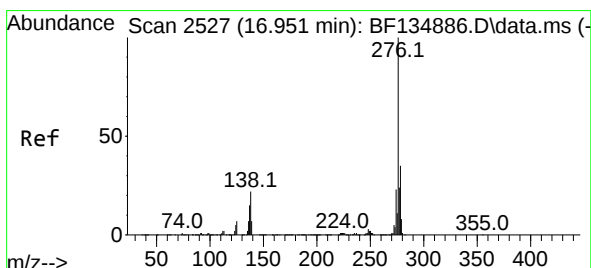
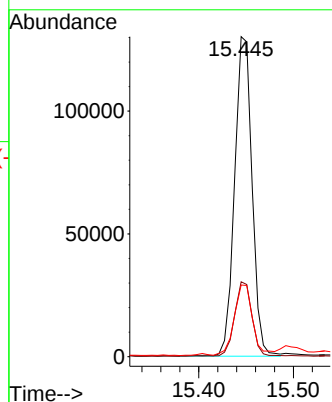
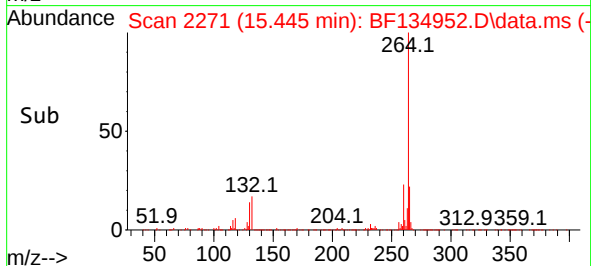


Tgt Ion:264 Resp: 166662
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.4 17.1 25.7

Manual Integrations

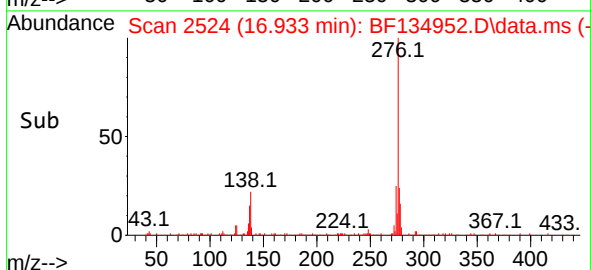
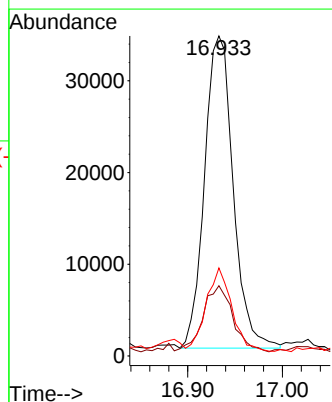
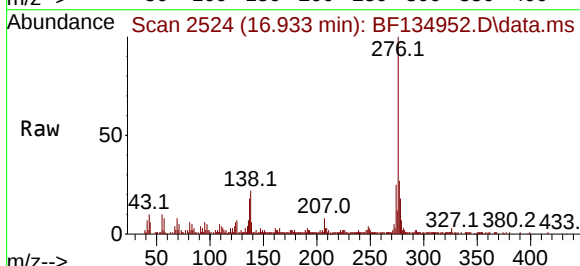
APPROVED

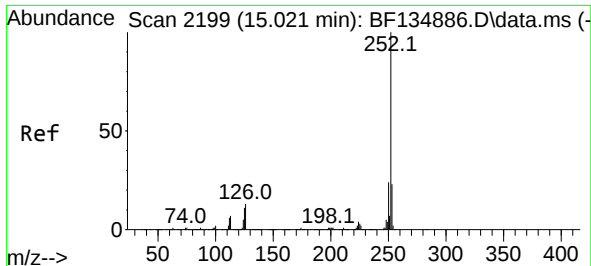
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.009 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.018 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

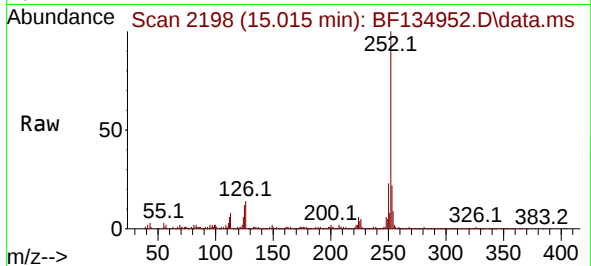
Tgt Ion:276 Resp: 71581
Ion Ratio Lower Upper
276 100
138 22.1 19.7 29.5
277 23.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 22.781 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

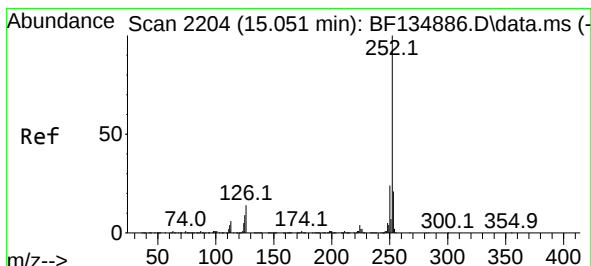
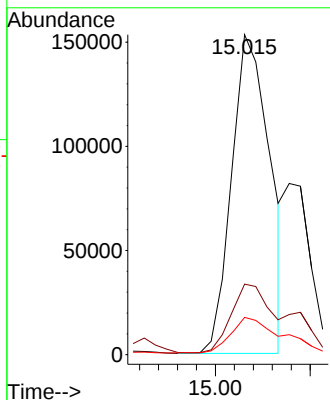
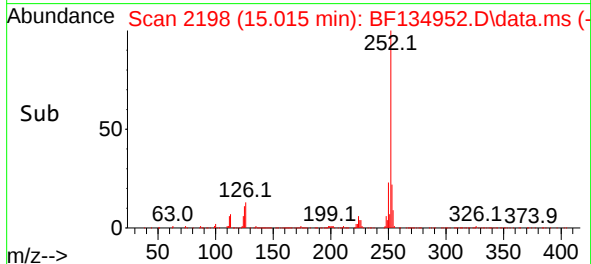
Instrument :
BNA_F
ClientSampleId :
328



Tgt Ion:252 Resp: 21421
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 11.7 8.4 12.6

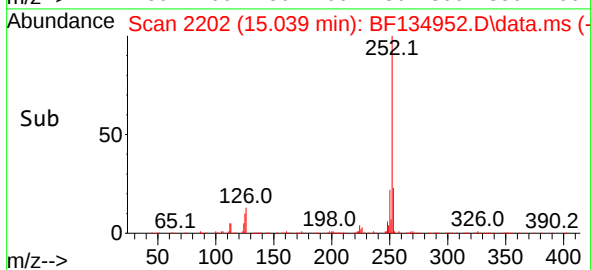
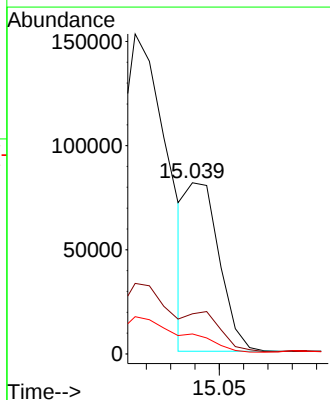
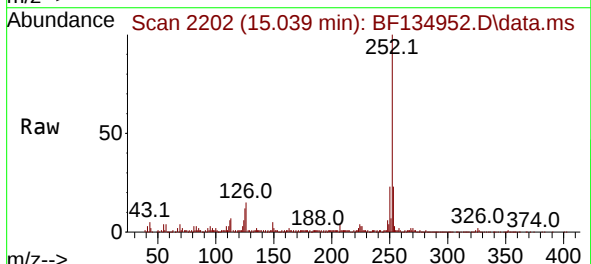
Manual Integrations
APPROVED

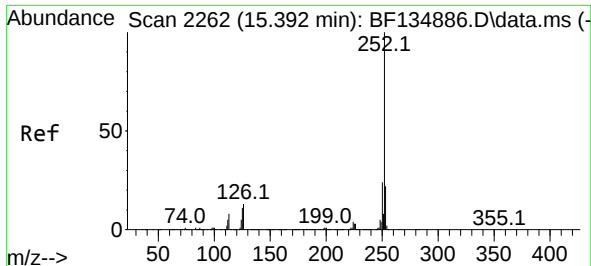
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#89
Benzo(k)fluoranthene
Concen: 8.158 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:252 Resp: 75328
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 11.7 8.0 12.0





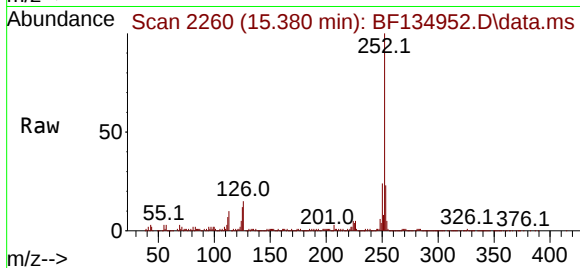
#90
Benzo(a)pyrene
Concen: 14.854 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

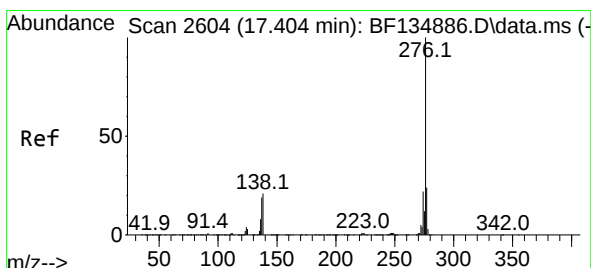
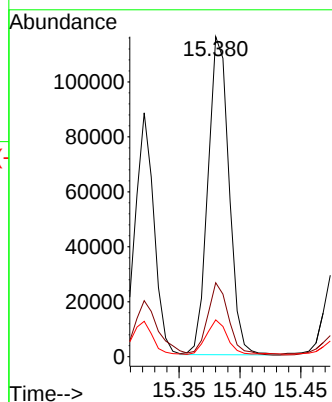
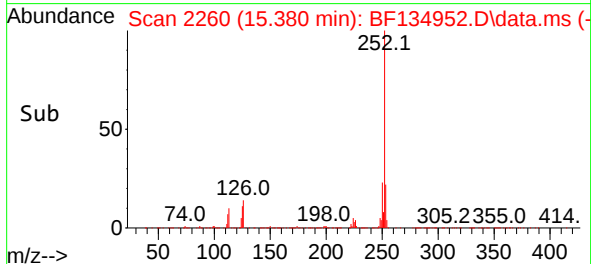


Tgt Ion:252 Resp: 13943
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.5 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#92
Benzo(g,h,i)perylene
Concen: 6.492 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.018 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:276 Resp: 64055
Ion Ratio Lower Upper
276 100
277 26.7 19.2 28.8
138 23.6 17.0 25.6

